

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 02222421  
PUBLICATION DATE : 05-09-90

APPLICATION DATE : 23-02-89  
APPLICATION NUMBER : 01041518

APPLICANT : CHUKO KASEI KOGYO KK;

INVENTOR : IKEUCHI AIJI;

INT.CL. : C08J 5/04 B29C 67/14 C08G 63/06 C08K 5/09 C08L 1/00 C08L 3/00 C08L 5/08  
C08L 67/00

TITLE : BIODEGRADABLE COMPOSITE MATERIAL

ABSTRACT : PURPOSE: To obtain the subject composite material excellent in water, solvent resistance, airtightness, biodegradability in soil, etc., by coating a vegetable fiber-based substrate with a polyhydroxybutyric acid.polyhydroxyvaleric acid copolymer-based aqueous emulsion.

CONSTITUTION: The objective composite material obtained by coating a substrate made of vegetable fiber as a main raw material with an aqueous emulsion prepared by mixing a polyhydroxybutyric acid.polyhydroxyvaleric acid copolymer as principal component with preferably a carboxylate-based dispersing agent, a natural polymer, such as starch, cellulose or chitin, and derivatives thereof, and a synthetic polymer, such as PVA or polylactic acid.

COPYRIGHT: (C)1990,JPO&Japio

BEST AVAILABLE COPY